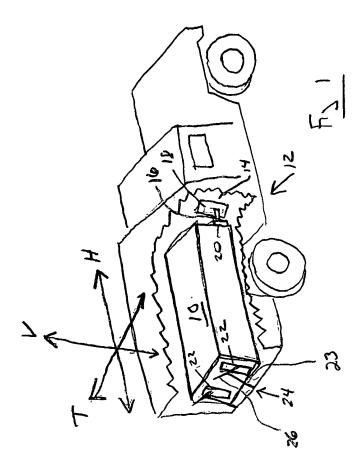
Applicant:
Title:
LOADING SYSTEM FOR SECURING CARGO IN
THE BED OF A VEHICLE

Docket No.: RAY-141J
Attorney:
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Applicant: Antonelli et al.

Title: LOADING SYSTEM FOR SECURING CARGO IN THE BED OF A VEHICLE

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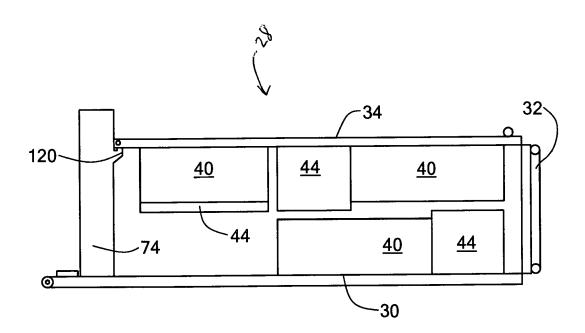


FIG. 22

Antonelli et al. LOADING SYSTEM FOR SECURING CARGO IN THE BED OF A VEHICLE

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Quick Loading Mechanism Assembly

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> ·Secures the Command Table for high Allows quick stowing/deployment of loads during road course the command table

Aft-Glamping ്ട<sub>്</sub> Me<del>chanism</del> s S 25 B Teflon Support Strips ->1=49 Bracket Assembly

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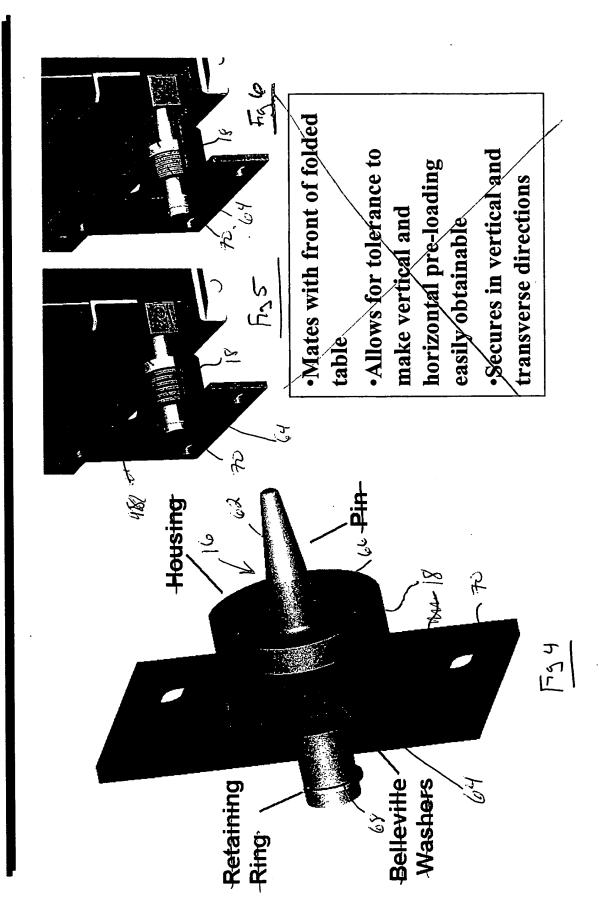
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Network Centric Systems

I-beam Pin Assembly



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Aft Clamping Mechanism

g ded-table 75 of the **(** tal -83 hs 10 547 Venicic 24 5/5 みん 死,并 Strap Guide 🛶 23 Clamp Handle Ø.

COMPANY PRIVATE

COMPANY PRIVATE

LOADING SYSTEM FOR SECURING CARGO IN

RAY-141J Kirk Teska

Teflon Strips

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90f FS 11B fastened to the bed of the Rests on 4 teflon strips 2

dog

doc

QO Strips

Strips Outer

vehicle

·Outer strips have ridges to · Allows low-friction sliding secure table in transverse to remove /stow table direction,

 Distributes weight over the bed of the vehicle

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4

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Quick Loading Mechanism
Force Diagram

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Illie: LOADING SYSTEM FOR SECURING CARGO IN THE BED OF A VEHICLE

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Page 7 of 10 Diagonal Preload F 2 [3] Displacement to allow Dimensional Tolerance

UNICE ASSIFIED

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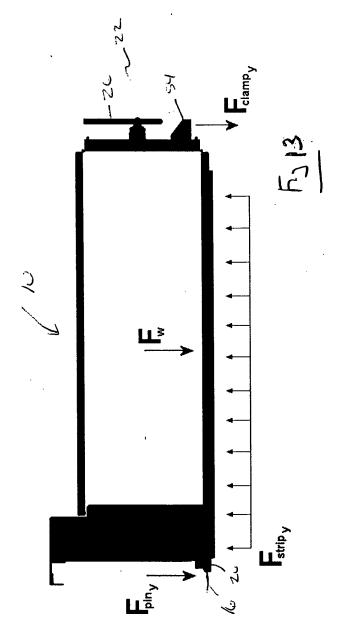
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Raytheon

-Network Centric Systems

Reaction Loads - Vertical



[	Ď			
	Safety Factor	3.0	3,0	
	F pins/y	-950	-950	
(	y	//	)	
	7 Fstrips	251	4211	
,	∕F clamps y ∕	056-	) 056-/	)
	Acceleration	/ 69 <del>-</del>	7 <b>69</b>	

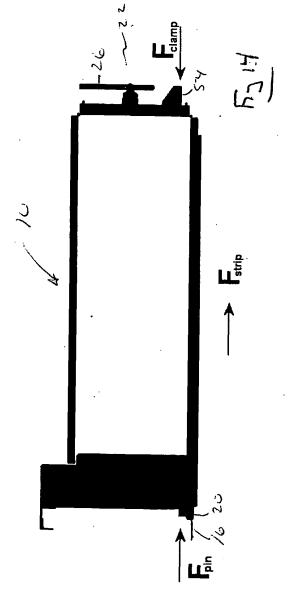
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Reaction Loads - Horizontal

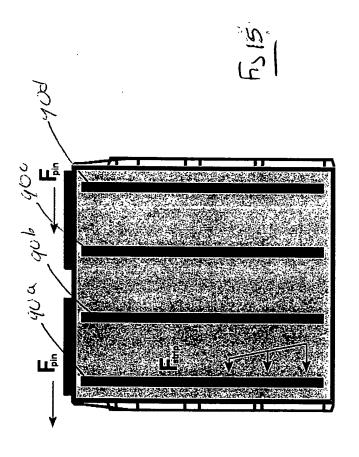


2001	x /F strips x /	<b>Safety Factor</b>
1691 / 1691	68	1.5

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## **Raytheon**Network Centric Systems

Reaction Loads - Transverse



Safety Factor	+\$	2+(	),
Fstrip x	/ 989 /	985-	
F pin x	/424	724	
Acceleration/	// gg/	(36 (	